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PTO/SB/21 (02-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/627,556
	Filing Date	July 26, 2003
	First Named Inventor	LEDBETTER
	Art Unit	1645
	Examiner Name	To be Assigned
Total Number of Pages in This Submission	Attorney Docket Number	49076.000004.CIP2

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	James W. Collett, Ph.D.
Signature	<i>James W. Collett</i>
Date	06/28/04

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Johann Lin		
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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49076.000004.CIP2
U.S. PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)	Group Art Unit: 1645
)	
LEDBETTER)	Examiner: To be Assigned
)	
Serial No.: 10/627,556)	Confirmation No.: 3297
)	
Filed: July 26, 2003)	Customer No.: 23464
)	
For: BINDING CONSTRUCTS)	
AND METHODS FOR USE)	
THEREOF)	

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)(3)

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with Applicant's duty under 37 C.F.R. § 1.97-98, the following information is brought to the attention of the Examiner. Please note, some of the references listed on the accompanying PTO/SB/08 form have come to Applicant's attention in a communication from a foreign patent office (International Search Report attached hereto, as well as a European Search Report) in a related foreign application. Applicant is submitting the International Search Report and the European Search Report from the International Searching Authorities for this purpose.

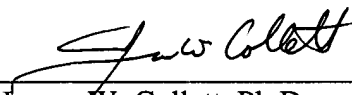
Copies of some of the documents listed on the Forms PTO-SB/08 were previously submitted in an IDS directed to the related application, U.S. Serial No. 10/053,530 and therefore hardcopies of those documents have not been included herewith. In accordance with 37 C.F.R. § 1.98(d) and MPEP 609(A)(2) duplicate copies need not be submitted and are not included herewith. The Examiner is requested to make these documents of record in the application.

The items identified in this Information Disclosure Statement may or may not be "material" pursuant to 37 C.F.R. § 1.56 and the submission thereof by Applicant shall not be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 C.F.R. § 1.97(h)), or even qualified as "prior art" under 35 U.S.C. § 102 with respect to this invention unless specifically designated by Applicant as such.

The Information Disclosure Statement is believed to be timely in that it is being submitted under 37 C.F.R. 1.97(b)(3) before the mailing of a first Office Action on the merits, whereby no petition or fee is required. However, if counsel for Applicant is in error in this regard, the Commissioner is requested to consider this a petition, and he is authorized to charge any required petition fee to counsel's Deposit Account No. 02-4553.

Respectfully submitted,

BUCHANAN INGERSOLL L.L.P.

By: 
James W. Collett, Ph.D.
Reg. No. 46,636

One Oxford Centre
301 Grant Street
Pittsburgh, PA 15219-1410
(O) (619) 578.5000
(F) (619) 578.5940

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PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/207,655
				Filing Date	7/25/02
				First Named Inventor	Ledbetter
				Group Art Unit	1642
				Examiner Name	Helms
Sheet	1	of	13	Attorney Docket Number	49076.000004.CIP1

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	A.	4,704,692		Ladner	11/03/87
	B.	4,816,567		Cabilly et al.	03/28/89
	C.	4,906,562		Hellstrom et al	03/06/90
	D.	4,935,495		Hellstrom et a	06/19/90
	E.	4,946,778		Ladner et al.	08/07/90
	F.	5,091,177		Hellstrom et al	02/25/92
	G.	5,098,833		LASKY et al.	03/24/92
	H.	5,225,539		Winter	07/06/93
	I.	5,260,203		LADNER et al.	11/09/93
	J.	5,434,131		LINSLEY et al.	07/18/95
	K.	5,455,030		LADNER et al.	10/03/95
	L.	5,500,362		Robinson et al	03/19/96
	M.	5,521,288		LINSLEY et al.	05/28/96
	N.	5,530,101		Queen et al	06/25/96
	O.	5,580,756		LINSLEY et al.	12/03/96
	P.	5,585,089		Queen et al.	12/17/96
	Q.	5,597,707		Marken et al.	01/28/97
	R.	5,605,690		JACOBS et al.	02/25/97
	S.	5,637,481		LEDBETTER et al.	06/10/97
	T.	5,645,835		Fell, Jr. et al.	07/08/97
	U.	5,693,762		Queen et al.	12/02/97
	V.	5,709,859		ARUFFO et al.	01/20/98
	W.	5,714,147		CAPON et al.	02/03/98
	X.	5,770,197		LINSLEY et al.	06/23/98
	Y.	5,773,253		LINSLEY et al.	06/30/98
	Z.	5,795,572		Diegel et al.	08/18/98
	AA.	5,807,734		Diegel et al.	09/15/98
	BB.	5,844,095		LINSLEY et al.	12/01/98

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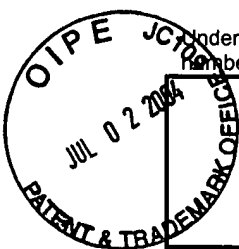
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				First Named Inventor	Ledbetter
				Group Art Unit	1642
				Examiner Name	Helms
Sheet	2	of	13	Attorney Docket Number	49076.000004.CIP1

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	CC.	5,869,049		NOELLE et al.	02/9/99
	DD.	5,869,620		Whitlow et al.	02/09/99
	EE.	5,876,718		NOELLE et al.	03/02/99
	FF.	5,876,950		Siadak et al.	03/02/99
	GG.	5,888,773		Jost et al.	03/30/99
	HH.	5,892,019		Schlom ct al.	04/06/99
	II.	5,916,560		LARSEN et al.	06/29/99
	JJ.	6,087,329		ARMITAGE et al.	07/11/00
	KK.	6,090,914		LINSLEY et al.	07/18/00
	LL.	6,015,695		Casterman et al	01/18/00
	MM.	6,194,551 B1		IDUSOGIE et al.	02/27/01
	NN.	6,264,951 B1		ARMITAGE et al.	07/24/01
	OO.	6,312,692 B1		NOELLE et al.	11/06/01
	PP.	6,376,459 B1		ARUFFO et al.	04/23/02
	QQ.	6,384,198 B1		DIEGEL et al.	05/07/02
	RR.	6,410,319 B1		RAUBITSCHKE et al.	06/25/02
	SS.	6,444,792 B1		GRAY et al.	09/03/02
	TT.	6,472,510 B1		ARUFFO et al.	10/29/02
	UU.	6,623,940 B1		LEDBETTER et al.	09/23/03
	VV.	6,641,809 B1		LINSLEY et al.	11/04/03
	WW.	2003/0088074		Hamers et al	05/08/03
	XX.	2003/0219876 A1		LEDBETTER et al.	11/27/03
	YY.	2003/0219446 A1		LINSLEY et al.	11/27/03
	ZZ.	2003/0219436 A1		LEDBETTER et al.	11/27/03
	AAA.	2002/0155604 A1		LEDBETTER et al.	10/24/02
	BBB.	2004/0058445 A1		LEDBETTER et al.	03/25/04
	CCC.	2002/0039557 A1		WHITE	04/04/02
	DDD.	2002/0031510 A1		LARSEN et al.	03/14/02
	EEE.	2001/004135 A1		STAHL et al.	11/22/01

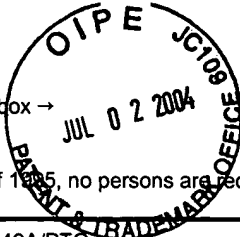
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Sheet	3	of	13	Attorney Docket Number	49076.000004.CIP1

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD- YYYY	
		Office ³	Kind Code ⁵ Number ⁴ (if known)				
	FFF.	WO	89/07142		Morrison et al	08/10/89	
	GGG.	WO	92/00092		BRISTOL-MYERS SQUIBB COMPANY	01/09/92	
	HHH.	WO	93/00431		BRISTOL-MYERS SQUIBB COMPANY	01/07/93	
	III.	WO	94/04678		Casterman et al	03/03/94	
	JJJ.	WO	94/25591		Hamers et al	11/10/94	
	KKK.	WO	96/34103		Hamers et al	10/31/96	
	LLL.	WO	99/42077		XCYTE THERAPIES INC.	08/26/99	
	MMM.	EP	0 555 880 A2		BRISTOL-MYERS SQUIBB COMPANY	08/18/93	
	NNN.	EP	0 757 099 A2		BRISTOL-MYERS SQUIBB COMPANY	07/21/95	
	OOO.	EP	0 682 039 A1		BRISTOL-MYERS SQUIBB COMPANY	11/15/95	
	PPP.	EP	1 186 300 A1		BRISTOL-MYERS SQUIBB COMPANY	03/13/02	

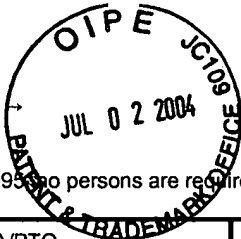
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				First Named Inventor	Ledbetter
				Group Art Unit	1642
				Examiner Name	Helms
Sheet	4	of	13	Attorney Docket Number	49076.000004.CIP1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	QQQ.	AICHER, et al., "Characterization of Human Inducible Costimulator Ligand Expression and Function", The Journal of Immunology, 2000, 164: 4689-4696	
	RRR.	Batra et al., "Single-Chain Immunotoxins at the Human Transferrin ReceptorContaining Pseudomonas Exotoxin A or Diphtheria Toxin: Anti-TFR(Fv)-PE40 and DT388-Anti-TFR(Fv)," Molecular and Cellular Biology; 11(4):2200-2205, April 1991.	
	SSS.	Beiske et al., "Triggering of Neoplastic B Cells Via Surface IgM and the Cell Surface Antigens CD20 and CDw40. Responses Differ from Normal Blood B Cells and are Restricted to Certain Morphologic Subsets," Int. J. Cancer 42:521-528, 1988.	
	TTT.	BREKKE et al., "The Structural Requirements for Complement Activation by IgG: Does It Hinge on the Hinge?", Immunol. Today 16:85-90 (1995)	
	UUU.	Brown et al., "Treatment of B-Cell Lymphomas With Anti-idiotypic Antibodies Alone and in Combination With Alpha Interferon," Blood 73(3):651-661, February 15, 1989.	
	VVV.	BURKE et al., "Radioimmunotherapy for Acute Leukemia", Cancer Control, 9:106-113 (2002)	
	WWW.	CARTER, "Improving the Efficacy of Antibody-Based Cancer", Nature, November 2001, Volume 1, 118-129	
	XXX.	Chaudhary et al., "A recombinant immunotoxin consisting of two antibody variable domains, fused to Pseudomonas exotoxin," Nature 339:394-397, June 1, 1989.	

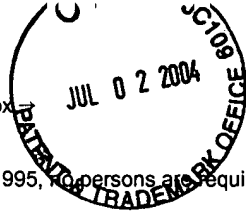
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				First Named Inventor	Ledbetter
				Group Art Unit	1642
				Examiner Name	Helms
Sheet	6	of	13	Attorney Docket Number	49076.000004.CIP1

	JJJJ.	DUNCAN, et al., "The Binding Site for Clq on IgG", Nature, 322:738-740 (1988)	
	KKKK.	DURIE et al., "Prevention of Collagen-Induced Arthritis with an Antibody to gp39, the Ligand for CD40", Science, Vol. 261, September 3, 1993, 1328-1330	
	LLLL.	Einfeld et al., "Molecular cloning of the human B cell CD20 receptor predicts a hydrophobic protein with multiple transmembrane domains," EMBO Journal 7:711-717, 1988.	
	MMMM.	FELL et al., "Genetic Construction and Characterization of a Fusion Protein Consisting of a Chimeric F (ab') with Specificity for Carcinomas and Human IL-2", The Journal of Immunology, Vol. 146, 2446-2452, No. 7, April 1, 1991	
	NNNN.	FILPULA et al., "Single-chain Fv designs for protein, cell and gene therapeutics" Exp. Opin. Ther. Patents (1999) 9 (3):231-245	
	OOOO.	Funakoshi et al., "Differential In Vitro and In Vivo Antitumor Effects Mediated by Anti CD40 and Anti-CD20 Monoclonal Antibodies Against Human B-Cell Lymphomas," Journal of Immunotherapy 19(2):93-101, 1996.	
	PPPP.	Funakoshi et al., "Inhibition of Human B-Cell Lymphoma Growth by CD40 Stimulation," Blood 83(10):2787-2794, May 15, 1994.	
	QQQQ.	Genbank Accession No. L07414, April 27, 1993.	
	RRRR.	Genbank Accession No. M62541, July 26, 1993.	
	SSSS.	Genbank Accession No. M62542, April 27, 1993.	
	TTTT.	Genbank Accession No. M83312, September 23, 1996.	
	UUUU.	Genbank Accession No. M84371, July 17, 1995.	

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Sheet	7	of	13	Attorney Docket Number	49076.000004.CIP1

	VVVV.	Genbank Accession No. U15637, March 8, 2002.	
	WWWW.	Genbank Accession No. X14046, September 12, 1993.	
	XXXX.	Genbank Accession No. X53517, February 17, 1992.	
	YYYY.	Genbank Accession No. X65453, April 26, 2001.	
	ZZZZ.	Genbank Accession No. X67878, June 6, 1997.	
	AAAAA.	Genbank Accession No. X96710, February 13, 1997.	
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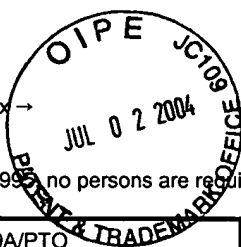
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				First Named Inventor	Ledbetter
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				Examiner Name	Helms
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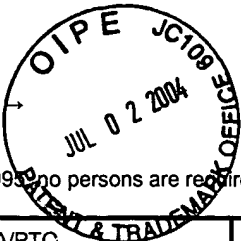
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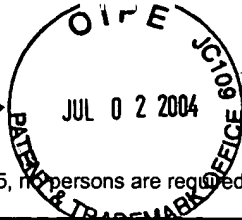
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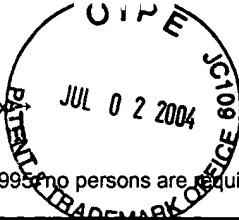
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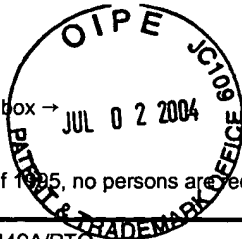
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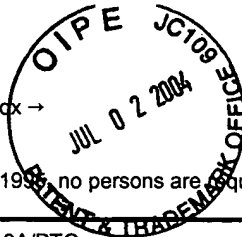
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